

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	248	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (deteriorat\$4 or degrad\$4 or malfunction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:20
S2	108	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:20
S3	62	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:20
S4	45	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:20

S5	27	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:20
S6	6	(US-20070062177-\$). did. or (US-6185929-\$ or US-6539707-\$ or US-6834497-\$ or US-5966930-\$ or US-6839637-\$).did.	US-PGPUB; USPAT	OR	ON	2008/06/27 17:21
S7	452	( (exhaust near4 gas) and (engine) and (cataly\$4) and (deteriorat\$4 or degrad\$4 or malfunction) ). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S8	319	((exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) )).CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S9	165	( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) ). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22

S10	183	(( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4))). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S11	20	(( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4) ). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S12	743	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S13	287	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and ((PID or integrat\$4) near4 (value))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22

S14	40	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S15	276	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S16	18	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value)) and ((PID or integrat\$4) near4 (control\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22

S17	32	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value)) and (lean and rich and integrat\$4 and oxygen )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S18	22	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value)) and (lean and rich and integrat\$4 and oxygen ) and ((switch\$4 or chang\$4 or alternat\$4) with (lean and rich ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22
S19	20	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:22

		(value)) and ((first and second and third) near4 (value)) and (lean and rich and integrat\$4 and oxygen ) and ((switch \$4 or chang\$4 or alternat\$4) near4 (lean and rich ))				
S20	227	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly \$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and (intake near4 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:28
S21	28	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly \$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((intake near4 air) near4 ( volum\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:30
S22	185	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly \$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((intake	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/27 17:31

	near4 air) near4 (amount or quant\$4 or volum\$4))				
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